| Index | of | Claims |
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Application/Control No.

10/697,554 Examiner

Reexamination JOHNSON ET AL.

Applicant(s)/Patent under

Art Unit

Phong H. Nguyen

3724

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N 1 Interference

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| Cla     | im l     | Date         |          |          |          | 1 (      | Cla          | im           | Date     |                    |   |          |          |  |                    |          |          |                               |  |                    |          |                   |
|---------|----------|--------------|----------|----------|----------|----------|--------------|--------------|----------|--------------------|---|----------|----------|--|--------------------|----------|----------|-------------------------------|--|--------------------|----------|-------------------|
| Ula     |          |              |          |          |          |          |              |              |          |                    |   |          | $\dashv$ |  |                    |          |          |                               |  |                    |          |                   |
| Final   | Original | 9/27/05      | 5/21/06  |          |          |          |              |              |          |                    |   | Final    | Original |  | 5/21/06            |          |          |                               |  |                    |          |                   |
|         | 1        | ٧            | ٧        |          |          |          |              |              | _        | _                  |   |          | 51       |  | ٧                  |          |          |                               | _  | L.                 |          |                   |
|         | 2        | ٧            | ٧        |          |          |          |              |              |          |                    |   |          | 52       |  | ٧                  |          |          |                               |  | <u>L</u>           |          | _                 |
|         | 3        | ٧            | ٧        |          |          |          |              |              |          |                    |   |          | 53       |  | ٧                  |          |          |                               |  |                    |          |                   |
|         | 4        | ٧            | ٧        |          |          |          |              |              | <u> </u> |                    |   |          | 54       |  | ٧                  |          |          |                               |  |                    |          |                   |
|         | 5        | <            | <        |          | 1        |          |              |              |          |                    |   |          | 55       |  | ٧                  |          |          |                               |  |                    |          | لــا              |
|         | 6        | ٧            | ٧        |          |          |          |              |              |          |                    |   |          | 56       |  |                    |          |          |                               |  |                    |          |                   |
|         | 7        | ٧            | ٧        |          |          |          |              |              |          | Γ.                 | ] |          | 57       |  |                    |          |          |                               |  |                    |          |                   |
|         | 8        | ٧            | ٧        |          |          |          |              |              |          |                    | ] |          | 58       |  |                    |          |          |                               |  |                    |          |                   |
|         | 9        | ٧            | ٧        |          |          |          |              |              |          |                    |   |          | 59       |  |                    |          |          |                               |  |                    |          |                   |
|         | 10       | ٧            | <b>v</b> |          |          |          |              |              |          |                    |   |          | 60       |  |                    |          |          |                               |  |                    |          |                   |
|         | 11       | ٧            | ~        |          |          |          |              |              |          |                    |   |          | 61       |  |                    |          |          |                               |  | <u> </u>           |          |                   |
|         | 12       | 0            | 0        |          |          |          |              |              |          |                    | ] |          | 62       |  |                    |          |          |                               |  |                    |          |                   |
|         | 13       | 0            | 0        |          |          |          |              |              |          |                    | ] |          | 63       |  |                    |          |          |                               |  |                    |          |                   |
|         | 14       | ٧            | ٧        |          |          |          |              |              |          |                    |   |          | 64       |  |                    |          |          |                               |  |                    |          |                   |
|         | 15       | ٧            | ٧        |          |          |          |              |              |          |                    | ] |          | 65       |  |                    |          |          |                               |  |                    |          |                   |
|         | 16       | v            | v        |          |          |          |              |              | Г        | Γ                  | ] |          | 66       |  |                    |          |          |                               |  |                    |          |                   |
|         | 17       | v            | v        |          |          |          |              |              |          | Π                  |   |          | 67       |  |                    |          |          |                               |  |                    |          |                   |
|         | 18       | v            | v        |          |          |          |              | Г            | П        |                    | ] |          | 68       |  |                    |          |          |                               |  |                    |          |                   |
|         | 19       | v            | v        |          |          |          |              |              |          |                    |   |          | 69       |  |                    |          |          |                               |  |                    |          |                   |
|         | 20       | V            | v        |          |          |          |              | Ι            |          |                    | ] |          | 70       |  |                    |          |          |                               | <u>.                                    </u> |                    |          |                   |
|         | 21       | 0            | 0        |          |          | $\Box$   |              |              |          |                    | 1 |          | 71       |  |                    |          |          |                               |  |                    |          |                   |
|         | 22       | 0            | 0        |          |          |          |              |              |          | Γ                  | ] |          | 72       | Г                                      |                    |          |          |                               |  |                    |          |                   |
|         | 23       | V            | v        |          |          |          |              |              |          |                    | ] |          | 73       |  |                    |          |          |                               |  |                    |          |                   |
| -       | 24       | n            | -        |          |          | _        |              |              |          |                    | ] |          | 74       |  |                    |          |          |                               |  |                    |          |                   |
|         | 25       | v            | v        |          |          |          |              |              |          |                    | ] |          | 75       |  |                    |          |          |                               |  |                    |          |                   |
|         | 26       | n            | -        |          |          |          |              |              |          |                    | ] |          | 76       |  |                    |          |          |                               |  |                    |          |                   |
|         | 27       | n            | -        |          |          |          |              |              |          |                    | ] |          | 77       |  | <u>L</u>           | L        |          |                               |  |                    |          |                   |
|         | 28       | n            | -        |          |          |          |              |              |          |                    | ] |          | 78       |  |                    |          | L.       |                               |  |                    | L        |                   |
|         | 29       | n            | -        |          |          |          |              |              |          |                    | ] |          | 79       |  |                    | <u> </u> |          |                               |  |                    |          |                   |
|         | 30       | n            | -        |          |          |          |              |              |          |                    |   |          | 80       |  | L.                 |          |          |                               |  |                    | <u> </u> |                   |
|         | 31       | n            | -        |          |          |          |              |              |          | L                  | ] |          | 81       |  |                    | <u> </u> |          | L                             |  | L                  |          |                   |
|         | 32       | n            | -        |          |          |          |              |              | L.       |                    |   |          | 82       | L                                      |                    |          |          | L                             |  |                    |          |                   |
|         | 33       | n            | -        |          |          |          |              |              |          |                    |   |          | 83       |  |                    |          |          |                               |  |                    |          |                   |
|         | 34       | n            | -        |          |          |          |              |              |          |                    | 1 |          | 84       | L                                      | $oxedsymbol{oxed}$ |          |          | L                             | L  | _                  | _        | Ш                 |
|         | 35       | n            | -        |          |          |          |              |              |          |                    | 1 |          | 85       | L                                      |                    |          | L        | <u></u>                       | _  | _                  |          | Ш                 |
|         | 36       | n            | ·        |          |          |          |              |              |          |                    |   |          | 86       | 1                                      | <u></u>            | L        | L        |                               | _  |                    |          |                   |
|         | 37       | n            | Ŀ        |          | <u> </u> |          |              | $oxed{\Box}$ | $\perp$  | L                  | 1 | <u> </u> | 87       | <u> </u>                               | <u> </u>           | <u> </u> | <u> </u> | _                             |  | $\perp$            | _        |                   |
|         | 38       |              | v        |          |          |          | <u> </u>     | ļ            | 1_       | _                  | 1 | L        | 88       | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | <u> </u>           | <u> </u> |          | Ц.                            | _  | <u> </u>           | <u> </u> |                   |
|         | 39       |              | ٧        | L.       |          | _        |              | $oxed{oxed}$ | $\perp$  | $\perp$            | 1 | <u> </u> | 89       | 1                                      | <u> </u>           |          |          | <b> </b>                      | $\perp$                                      | <u> </u>           |          |                   |
|         | 40       | $oxed{oxed}$ | ٧        |          | <u> </u> |          | <u> </u>     | _            | _        | 1_                 | 1 | <u> </u> | 90       | <u> </u>                               | <u> </u>           | _        | 1_       | <u> </u>                      | 1_   | $\vdash$           | <u> </u> | Ш                 |
|         | 41       | L            | ٧        | <u> </u> | <u> </u> | <u> </u> |              |              |          |                    | 1 |          | 91       | L                                      | lacksquare         |          | 1_       | L_                            | <del> </del>                                 | <u> </u>           |          | Ш                 |
|         | 42       |              | =        | <u></u>  | L_       | L        | <u> </u>     |              |          |                    | 1 |          | 92       | L                                      | _                  | <u> </u> | 1_       | _                             | <u> </u>                                     | $oldsymbol{\perp}$ | ļ        | 1_                |
|         | 43       | L_           | =        | <u> </u> | <u> </u> |          | _            | <u> </u>     | <u> </u> | $oldsymbol{\perp}$ | 1 |          | 93       | 1                                      | $\perp$            | <u> </u> | 1        | 1                             | ↓_   | <del> </del>       | ļ        | Ш                 |
|         | 44       | <u> </u>     | =        |          |          | <u></u>  | <u></u>      | 1_           | <u> </u> | <u> </u>           | 1 |          | 94       |  | _                  | _        | ↓.       | <u> </u>                      | _  | ↓_                 | <u> </u> | Ш                 |
|         | 45       |              | =        |          |          |          | $oxed{oxed}$ | _            | <u> </u> | <u> </u>           | 1 |          | 95       | _                                      | <u> </u>           | _        | _        | $oxed{oxed}$                  | 1_   | ↓_                 | <u> </u> | <u> </u>          |
|         | 46       |              | =        |          |          |          | _            |              | <u> </u> | $\perp$            | 1 |          | 96       | 1_                                     | _                  | <u> </u> | $\perp$  | $oxed{oxed}$                  | _  | $\perp$            | <u> </u> | $ldsymbol{f eta}$ |
|         | 47       |              | =        |          | _        |          | _            |              | _        | _                  | 1 |          | 97       | L                                      |                    |          | $\perp$  | 1_                            | <u> </u>                                     | _                  | <u> </u> | $oxed{oxed}$      |
|         | 48       |              | =        |          | _        |          | _            | _            | _        |                    | 1 |          | 98       | L                                      | <u> </u>           | L        | $\perp$  | $oxed{oxed}$                  | $\perp$                                      | $\perp$            | <u> </u> | <u> </u>          |
| <u></u> | 49       |              | =        | L.       | <u>_</u> | <u> </u> |              | _            | _        | _                  | 1 |          | 99       | 1                                      | 1                  | $\perp$  | 1_       | $oldsymbol{oldsymbol{\perp}}$ | _  | ↓_                 | <u> </u> | $\perp$           |
|         | 50       | L            | v        | L        | L_       |          | <u>L_</u>    |              | L        | L                  | J | L        | 100      |  | 1                  |          | L.       | <u> </u>                      | _  | L                  | <u>L</u> | <u> </u>          |

| Cla         | im                         | Date         |          |  |              |  |  |              |  |  |  |  |
|-------------|----------------------------|--------------|----------|--|--------------|--|--|--------------|--|--|--|--|
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| <del></del> | Original                   |              | 5/21/06  |  |              |  |  |              |  |  |  |  |
| Final       | į                          |              | 21/      | 1  |              | li   |  |              |  |  |  |  |
| "           | ΙŏΊ                        |              | 5,       |  |              |  |  |              |  |  |  |  |
| <u> </u>    |                            | _            |          | $\sqcup$   |              | ш  | _  |              |  |  |  |  |
|             | 51                         | L            | ٧        |  |              |  |  |              |  |  |  |  |
| 1           | 52                         |              | ٧        |  |              |  |  |              |  |  |  |  |
|             | 53                         |              | ٧        |  |              |  |  |              |  |  |  |  |
|             | 54                         |              | ٧        |  |              |  |  |              |  |  |  |  |
|             | 52<br>53<br>54<br>55<br>56 |              | v        | $\vdash$   |              |  |  |              |  |  |  |  |
|             | 56                         | $\vdash$     | ۱÷       | -  |              |  |  |              |  |  |  |  |
|             | 57                         | -            |          |  |              |  |  | _            |  |  |  |  |
|             | 57<br>58                   |              | $\vdash$ |  |              | -  |  |              |  | -  |  |  |
| <u> </u>    | 50                         | $\vdash$     | <u> </u> | -  |              | $\vdash$   |  | _            | -  |  |  |  |
|             | 59                         |              |          |  |              |  |  |              |  | Ш  |  |  |
|             | 60                         | <u> </u>     |          |  | _            |  |  |              | _  |  |  |  |
|             | 61                         | $oxed{oxed}$ |          | L  |              |  |  |              | L  |  |  |  |
|             | 62                         | L            | L        | L  |              | L  |  |              |  |  |  |  |
|             | 63                         |              |          |  |              |  |  |              |  |  |  |  |
|             | 63<br>64                   | П            |          |  |              |  |  |              |  |  |  |  |
|             | 65                         | $\vdash$     | l        |  |              |  | $\Box$   |              |  | П  |  |  |
|             | 65<br>66                   | $\vdash$     |          | <del>                                     </del> | $\vdash$     | $\vdash$   |  |              | <del></del>                                      |  |  |  |
| -           | 67                         | -            | $\vdash$ | $\vdash$   | $\vdash$     | -  | -  |              | $\vdash$   | -  |  |  |
| -           | 67                         |              |          | $\vdash$   | ⊢            |  |  | _            | <u> </u>   |  |  |  |
| <u> </u>    | 68<br>69                   |              | -        | -  | <u> </u>     | -  |  | _            | <u> </u>   | -  |  |  |
|             | 69                         | _            |          |  | _            | <u> </u>   | <u> </u>   |              | <u> </u>   |  |  |  |
|             | 70                         |              | <u> </u> | <u> </u>   |              | L-   |  |              |  |  |  |  |
|             | 71<br>72                   | L            | _        |  |              |  |  |              |  |  |  |  |
|             | 72                         |              |          |  |              | _  |  |              |  |  |  |  |
|             | 73                         |              |          |  |              |  |  |              |  |  |  |  |
|             | 74                         | Γ            |          |  |              |  |  |              |  |  |  |  |
|             | 73<br>74<br>75             |              |          |  |              |  |  |              |  |  |  |  |
|             | 76<br>77                   |              |          |  | П            | П  |  |              |  | П  |  |  |
|             | 77                         |              |          |  | Г            | _  |  |              |  |  |  |  |
|             | 78                         |              | Г        |  | -            |  |  |              | _  | Ι-   |  |  |
|             | 79                         | -            | $\vdash$ | t  | 一            | <del>                                     </del> | <u> </u>   |              | $\vdash$   | _  |  |  |
| -           | 80                         | $\vdash$     | $\vdash$ | ┼  |              | ┢  |  |              |  | <del> </del>                                     |  |  |
| _           | 01                         | ├            | ⊢        | +-   |              | ┝  | $\vdash$   |              |  | ┝╾   |  |  |
| -           | 81                         | ┝            | -        | ├  | ⊢            | ├  | ├-   | -            | H  | ⊢  |  |  |
| ļ           | 82                         | ├            | -        | -  | ⊢            |  | <del> </del>                                     |              | _  | -  |  |  |
| <u> </u>    | 83                         | <del> </del> | -        | $\vdash$   | $\vdash$     |  | <del> </del>                                     | _            | <u> </u>   | _  |  |  |
| <u> </u>    | 84<br>85                   | <b> </b>     | <b>—</b> | _  | _            | <u> </u>   | <u> </u>   |              | <u> </u>   | $\vdash$   |  |  |
| <u></u>     | 85                         | $oxed{}$     | $\perp$  | _  | $\vdash$     | <u> </u>   |  | <u> </u>     | 1_   | _  |  |  |
|             | 86                         |              | L_       |  |              |  |  |              |  | L_   |  |  |
|             | 87                         |              |          | L  |              |  |  |              | L  |  |  |  |
|             | 88                         | Γ            |          |  |              |  |  |              |  | Ľ  |  |  |
|             | 89                         |              | Γ        | Γ  | Π            |  |  |              |  | Γ  |  |  |
|             | 90                         |              |          | Π  |              | Τ  |  |              |  |  |  |  |
|             | 91                         |              | T        |  |              | Т  | 1  | Г            | 1  | Π  |  |  |
| 1           | 92                         | $\vdash$     | $\vdash$ | t  | t            | 1  | <del>                                     </del> | 1            | t  | $\vdash$   |  |  |
|             | 93                         | +-           | -        | +  | t            | $\vdash$   | $\vdash$   | $\vdash$     | <del>                                     </del> | $\vdash$   |  |  |
| -           | 94                         | +            | +        | +  | $\vdash$     | <del>                                     </del> | 1  | ├            | t –  | $\vdash$   |  |  |
|             | 95                         | 1            | $\vdash$ | ╁  | ╁            | ├  | -  | <del> </del> | $\vdash$   | $\vdash$   |  |  |
|             | 90                         | +-           | +-       | $\vdash$   | -            | $\vdash$   | -  | -            | ├  | ├  |  |  |
| -           | 96                         | ┼            | -        | -  | 1            |  | -  | -            | -  | ₩  |  |  |
|             | 97                         | ₩            | ـــــ    | 1  | $\vdash$     |  | <b>├</b>   | <u> </u>     | -  | $\vdash$   |  |  |
| <u> </u>    | 98                         | ┞-           | <b>L</b> | $\vdash$   | <del> </del> | <b>—</b>   | $\vdash$   | <u> </u>     | <b> </b>   | <del>                                     </del> |  |  |
|             | 99                         | <u></u>      | 1        | $\perp$  | _            | <u> </u>   | _  | <u> </u>     | <u> </u>   | _  |  |  |
|             | 100                        |              | 1        | 1  |              | 1  |  | ٦            |  |  |  |  |

| Cla      | Date  |  |          |          |            |  |                |              |              |                 |  |  |
|----------|---|--|----------|----------|------------|--|----------------|--------------|--------------|-----------------|--|--|
| Final    | Original  |  |          |          |            |  |                |              |              |                 |  |  |
|          | 101   |  |          |          |            |  | _              |              |              | $\dashv$        |  |  |
|          | 102   |  |          |          |            |  |                |              |              |                 |  |  |
|          | 103   | _  |          |          |            |  |                |              |              | $\Box$          |  |  |
| -        | 104   |  |          |          |            |  | _              |              |              | $\dashv$        |  |  |
|          | 105   | _  |          |          | -          | _                                      | -              | _            |              | $\vdash$        |  |  |
|          | 101<br>102<br>103<br>104<br>105<br>106<br>107<br>108<br>109 | -  |          |          |            | _                                      | _              |              |              | $\exists$       |  |  |
|          | 108   |  | Г        | -        |            |  |                | _            |              |                 |  |  |
|          | 109   |  |          |          |            |  |                |              |              |                 |  |  |
|          | 110   |  |          | <u> </u> | <u> </u>   |  |                | _            |              |                 |  |  |
|          | 110<br>111<br>112<br>113<br>114<br>115<br>116<br>117        | _  | <u> </u> | $\vdash$ | <u> </u>   |  | $\vdash$       | L            |              |                 |  |  |
|          | 112   |  | _        |          |            | <u> </u>                               | -              | -            |              | Н               |  |  |
|          | 114   | -  |          | $\vdash$ |            | -                                      |                |              | _            |                 |  |  |
|          | 115   |  |          | -        |            |  |                |              |              | П               |  |  |
|          | 116   |  |          |          |            |  |                |              |              |                 |  |  |
|          | 117   |  |          |          |            |  |                |              |              | Ш               |  |  |
|          | 118<br>119  |  |          |          |            | <u> </u> _                             |                | ļ            | L            | Ш               |  |  |
|          | 119   | <u> </u>   |          |          | ⊢          | <u> </u>                               | -              | -            | <u> </u>     | -               |  |  |
|          | 120<br>121<br>122   | ├  | $\vdash$ | ⊢        |            |  | -              | ├            | ├            | $\vdash$        |  |  |
|          | 122   | ┢  | ┢        | ┢        |            | $\vdash$                               | $\vdash$       | -            |              | $\vdash$        |  |  |
|          | 123   |  |          |          | $\vdash$   |  | $I^-$          |              | <u> </u>     |                 |  |  |
|          | 124   |  |          |          |            |  |                |              |              |                 |  |  |
|          | 125   | <u> </u>   | L_       | _        |            | ļ                                      | _              |              |              |                 |  |  |
|          | 126   | <b>├</b>   | $\vdash$ | ┝        |            | -                                      | ┝              | <u> </u>     |              |                 |  |  |
| ļ        | 128   | ├  |          | ├╌       |            | -                                      |                | -            | ├            | $\vdash$        |  |  |
|          | 129   | ├  | ┢        | $\vdash$ |            | ╀                                      |                | $\vdash$     | <del> </del> | -               |  |  |
|          | 123<br>124<br>125<br>126<br>127<br>128<br>129<br>130        | <del>                                     </del> |          | $\vdash$ | $\vdash$   |  |                | ┢            | <b> </b>     |                 |  |  |
|          | 131<br>132<br>133   |  |          |          |            |  |                |              |              |                 |  |  |
|          | 132   | <u> </u>   |          |          |            | L                                      | <u> </u>       | L            |              | Ш               |  |  |
|          | 133   | ┞-   | -        | ₩        |            | <u> </u>                               | ļ              | <u> </u>     | -            | Ш               |  |  |
| <u> </u> | 134<br>135  | <del>                                     </del> | ⊢        | ├-       | -          | -                                      | $\vdash$       | ├            | -            | $\vdash$        |  |  |
|          | 136   | <u> </u>   | ├        | $\vdash$ |            | -                                      | -              | +            | $\vdash$     | $\vdash$        |  |  |
|          | 136<br>137  | $\vdash$   | $\vdash$ |          | 1          |  | <u> </u>       | $\vdash$     | $\vdash$     | $\vdash$        |  |  |
|          | 138   |  |          |          |            |  |                |              |              |                 |  |  |
|          | 139   |  |          |          |            |  |                |              | L            |                 |  |  |
|          | 140   | <u> </u>   | L        | $\perp$  | <u>Ļ</u> . | <u> </u>                               | <del> </del> _ | $\vdash$     |              | Ш               |  |  |
| -        | 141   | $\vdash$   | $\vdash$ | -        | ├-         | -                                      | ├-             | ⊢            | -            |                 |  |  |
| ļ        | 142   | ┼  | $\vdash$ | $\vdash$ | $\vdash$   | ╁                                      | -              | -            | $\vdash$     | $\vdash$        |  |  |
|          | 144   | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$   | <del>  -</del>                         | †-             | $\vdash$     | $\vdash$     | $\vdash \vdash$ |  |  |
| $\vdash$ | 145   | $\vdash$   | $\vdash$ | T        | $\vdash$   | T.                                     |                |              | Γ            |                 |  |  |
|          | 146   |  |          |          |            |  |                |              |              |                 |  |  |
|          | 147   |  |          |          | Ĺ          | $oxed{\Box}$                           |                | Ĺ            | $\perp$      | Ш               |  |  |
|          | 148   | ↓_   | _        | ـ        | <u> </u>   | $\vdash$                               | <u> </u>       | <del> </del> |              | $\vdash \vdash$ |  |  |
|          | 149   | ╀  | ├-       | ┼        | -          | ├-                                     | -              | -            | +            | $\vdash$        |  |  |
| Щ        | 150   |  |          | 1        | L_         | ــــــــــــــــــــــــــــــــــــــ | L.,            | 1            | 1            | Ш               |  |  |